

Appl. No. 10/677,061
Amdt. Dated Aug. 20, 2004
Reply to Office Action of May 20, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): An electrical connector comprising:

an insulative housing consisting of a first housing member defining a plurality of depressed molding areas and a second housing member being formed by injecting molding materials into the depressed molding areas, the first housing member having a plurality of passageways and a pair of mating posts, on respective opposite sides of the plurality of passageways, adapted for insertion into corresponding receiving channels of a complementary plug connector, the first housing member further having a pair of reinforcing posts extending in the same direction as the mating posts and extending a further distance than the mating posts, the reinforcing posts being adapted for insertion into corresponding receiving holes of an insulative housing of the complementary plug connector; and

a plurality of terminals having contact portions received in the first housing member and integral tail portions embedded in the second housing member.

Claim 2 (currently amended): The ~~Serial ATA receptacle~~ electrical connector as described in claim 1, wherein the first and second housing members are made of different electrically insulating materials.

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Claim 3 (currently amended): The ~~Serial ATA receptacle~~ electrical connector as described in claim 1, wherein the reinforcing posts are of the same size.

Claim 4 (currently amended): The ~~Serial ATA receptacle~~ electrical connector as described in claim 1, wherein the terminals comprise a first set of power/ground terminals and a second set of signal/ground terminals electrically insulated from each other.

Claim 5 (currently amended): An electrical cable connector assembly comprising:

a receptacle connector comprising an insulative housing and a plurality of terminals received in the insulative housing, the insulative housing consisting of a first housing member defining a plurality of depressed molding areas and a second housing member being formed by injecting different molding materials into the depressed molding areas and structurally interlocked with the first housing member, the second housing member cooperating with the first housing member to correspondingly form and share a smooth coplanar exterior surface on each corresponding side of the combined first and second housing member, the first housing member having a plurality of passageways defined therethrough and a pair of side posts spaced from the passageways, the terminals including contact portions received in corresponding passageways of the first housing member and tail portions embedded in the second housing member;

a plug connector; and

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a cable having conductors terminated to corresponding tail portions of the terminals of the receptacle connector and corresponding terminals of the plug connectors at opposite ends thereof.

Claim 6 (original): The electrical cable connector assembly as described in claim 5, wherein the terminals of the receptacle connector include a first set of power/ground terminals and a second set of signal/ground terminals electrically insulated from each other.

Claim 7 (original): The electrical cable connector assembly as described in claim 5, wherein the receptacle connector, the plug connector and the cable are constructed according to the Serial ATA standard.

Claim 8 (currently amended): A combination comprising:

a receptacle connector comprising an insulative housing defining a receiving slot and a plurality of passageways in communication with the receiving slot and a plurality of terminals received in corresponding passageways, the insulative housing including a first housing member and a second housing member molded together, the first housing member providing a pair of side posts spaced from the passageways, the second housing member being formed by injecting molding materials into depressed molding areas defined in the first housing member and structurally interlocked with the first housing member, the second housing member cooperating with the first housing member to correspondingly form and share a smooth coplanar exterior surface on each corresponding side of the combined first

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and second housing member; and

a plug connector comprising an insulative housing and a plurality of terminals received in the insulative housing, the insulative having a blade portion for being received in the receiving slot of the receptacle connector and a pair of receiving holes distant from the blade portion for receiving the side posts of the receptacle connector therein.

Claim 9 (original): The combination as described in claim 8, wherein the insulative housing of the receptacle connector further comprises a pair of mating posts on opposite sides of the passageways, and the insulative housing of the plug connector further defines a pair of receiving channels on opposite sides of the blade portion for receiving the mating posts.

Claim 10 (original): The combination as described in claim 9, wherein the side posts of the receptacle connector extending in the same direction as the mating posts and extend a further distance than the mating posts.

Claim 11 (canceled)